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(54) Title: **COMPOSITIONS AND METHODS FOR THE PREVENTION OR TREATMENT OF CANCER AND BONE LOSS
ASSOCIATED WITH CANCER**

(57) Abstract: The present invention relates to compositions and methods for the prevention and/or treatment of bone loss associated with cancer. More particularly, the invention relates to OPG compositions and methods for the prevention and/or treatment of bone loss comprising said compositions. The invention also relates to the use of OPG compositions for the treatment of multiple myeloma.

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/17 A61K39/395 A61P19/00 A61P35/02 A61P35/04
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	EP 0 784 093 A (AMGEN INC) 16 July 1997 (1997-07-16) abstract page 2, line 20 -page 3, line 6 page 7, line 24 - line 29 page 8, line 41 -page 9, line 10 page 12, line 17 - line 47 page 41, line 5 -page 42, line 5 page 45, line 30 -page 48, line 7 page 60, line 30 - line 41 --- -/-	1-15, 21, 22 16-20



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

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Int. J. Application No
PCT/US 00/22806

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SIMONET W ET AL: "Osteoprotegerin: a novel secreted protein involved in the regulation of bone density" CELL,US,CELL PRESS, CAMBRIDGE, NA, no. 89, 18 April 1997 (1997-04-18), pages 309-319, XP002077048 ISSN: 0092-8674 abstract figure 5C page 314 -page 315, column 1, paragraph 1 page 315, column 2, last paragraph -page 316, column 1, paragraph 1 page 317, column 1, paragraph 2	1-3, 5-10,13, 21
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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>X YANG ET AL: "Eradication of established tumors by a fully human monoclonal antibody to the epidermal growth factor receptor without concomitant chemotherapy"</p> <p>CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 59, no. 5, 15 March 1999 (1999-03-15), pages 1236-1243, XP002156618</p> <p>ISSN: 0008-5472</p> <p>the whole document</p> <p>-----</p>	17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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